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(54) **GARMENT SYSTEM INCLUDING AT LEAST ONE MUSCLE OR JOINT ACTIVITY SENSOR AND AT LEAST ONE ACTUATOR RESPONSIVE TO THE SENSOR AND RELATED METHODS**

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CPC **A61H 1/008** (2013.01); **A61H 2201/50** (2013.01)(71) Applicant: **Elwha LLC**, Bellevue, WA (US)

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(21) Appl. No.: **14/469,169**(57) **ABSTRACT**

Embodiments disclosed herein relate to a garment system including at least one muscle or at least one joint activity sensor, and at least one actuator that operates responsive to sensing feedback from the at least one muscle or the at least one joint activity sensor to cause a flexible compression garment to selectively compress against or selectively relieve compression against at least one body part of a subject. Embodiments disclosed herein also relate to methods of using such garment systems.

